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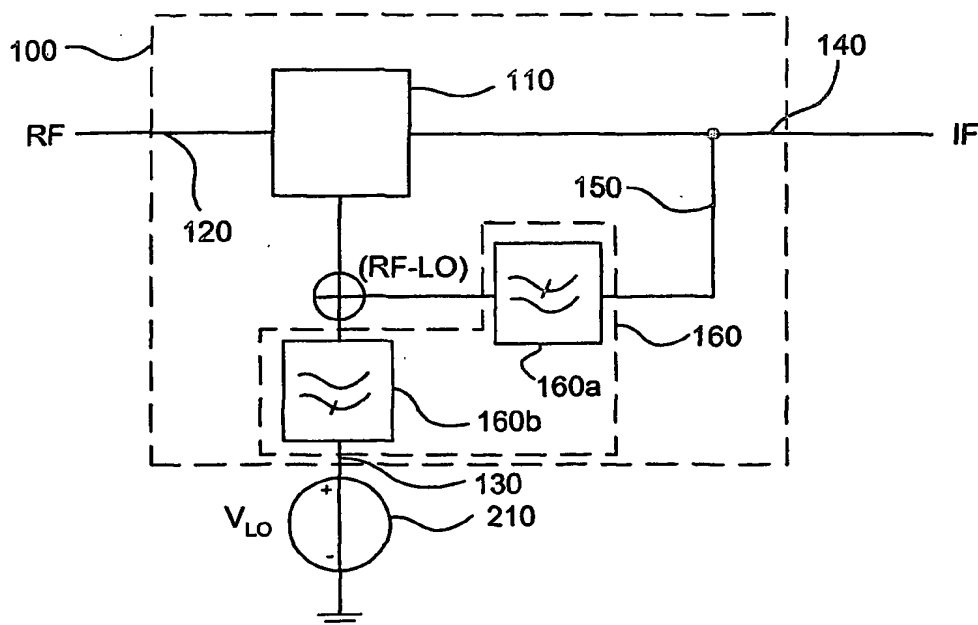
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(54) Title: PASSIVE MIXER



(57) Abstract: A passive mixer (100) for converting a radio frequency (RF) signal to an intermediary frequency (IF) signal or vice versa. The mixer comprises a voltage controlled mixing means (110) for mixing a local oscillator signal with either an RF or IF signal. A bootstrapping technique is used for feeding back a low frequency component of the IF signal through a low-pass filter (160) to the mixing means. The mixing means (110) will follow low frequency variations of the IF signal, which will improve the linearity of the mixer.



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